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## SEQUENCE LISTING

<110> XENOME LTD  
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<130> 12373580/JGC

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<160> 215

<170> PatentIn version 3.2

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<222> (12)..(12)

<223> Xaa is 4-hydroxyproline

<400> 1

Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 2

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<213> Conus marmoreus

<220>

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<222> (12)..(12)

<223> Xaa is 4-hydroxyproline

<400> 2

Val Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 3

<211> 10

<212> PRT

<213> Artificial Sequence

- 2 -

<220>  
<223> synthetic

<220>  
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<222> (8)..(9)  
<223> Xaa is independently absent or represent any amino acid residue  
except Cys

<400> 3

Cys	Cys	Gly	Tyr	Lys	Leu	Cys	Xaa	Xaa	Cys
1				5					10

<210> 4  
<211> 14  
<212> PRT  
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<220>  
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<220>  
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<222> (1)..(1)  
<223> Xaa is selected from Trp, DTrp, Tyr, Phe, hPhe, Ala,  
O-methyl-L-tyrosine, Arg, benzoyl, naphthyl, ornithine, L or D  
pyroglutamic acid and a deletion

<220>  
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<222> (2)..(2)  
<223> Xaa is selected from Arg, Ala, Asn, Lys, Phe, L-beta-homolysine,  
L-ornithine, Lys, DArg, L-norleucine, Dlys, L-Lysine(dimethyl),  
DAsn, Thr, 2-aminobenzoyl (anthraniloyl), naphthyl, L-citrulline,  
Val, Tyr, Trp, L or D-pyroglutamic acid or a deletion

<220>  
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<222> (3)..(3)  
<223> Xaa is selected from Gly, Asp, Lys, Arg, Ala, Nle, Ser or Phe

<220>  
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<222> (4)..(4)  
<223> Xaa is selected from Val, Leu, Nle, Ile, Thr, Ala, Asn, Trp, Phe  
and Abu

<220>  
<221> MISC\_FEATURE  
<222> (12)..(13)  
<223> Xaa are independently absent or represent any amino acid residue  
except Cys

- 3 -

&lt;400&gt; 4

Xaa Xaa Xaa Xaa Cys Cys Gly Tyr Lys Leu Cys Xaa Xaa Cys  
1 5 10

&lt;210&gt; 5

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthetic

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(1)

<223> Xaa is selected from L or D-pyroglutamic acid, Pro,  
4-hydroxyproline or an N-acetylated amino acid residue

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (2)..(2)

<223> Xaa is selected from Arg, DArg, Asn, DAsn, Lys, Thr, DLys,  
L-beta-homolysine, L-ornithine, L-norleucine,  
L-lysine(dimethyl), 2-aminobenzoyl(anthraniloyl), naphthyl,  
L-citrulline, Val and a deletion

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (3)..(3)

<223> Xaa is selected from Gly, Asp, Lys, Arg, Ala, L-norleucine and  
Ser

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (4)..(4)

<223> Xaa is selected from Val, Leu, L-norleucine, Ile, Thr, Ala and  
L-alpha-aminobutyric acid

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (12)..(13)

<223> Xaa are independently absent or represent any amino acid residue  
except Cys

&lt;400&gt; 5

Xaa Xaa Xaa Xaa Cys Cys Gly Tyr Lys Leu Cys Xaa Xaa Cys  
1 5 10

&lt;210&gt; 6

&lt;211&gt; 13

&lt;212&gt; PRT

- 4 -

<213> Artificial Sequence

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<220>

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<222> (1)..(1)

<223> Xaa is selected from Arg, DArg, L-lysine(dimethyl), L-ornithine or L-beta-homolysine

<220>

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<222> (2)..(2)

<223> Xaa is selected from Gly, Asp, Lys, Arg, Ala, L-norleucine and Ser

<220>

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<222> (3)..(3)

<223> Xaa is selected from Val, Leu, L-norleucine, Ile, Thr, Ala and L-alpha-aminobutyric acid

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<222> (11)..(12)

<223> Xaa are independently absent or represent any amino acid residue except Cys

<400> 6

Xaa	Xaa	Xaa	Cys	Cys	Gly	Tyr	Lys	Leu	Cys	Xaa	Xaa	Cys
1				5					10			

<210> 7

<211> 13

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<213> Conus marmoreus

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<222> (12)..(12)

<223> Xaa is 4-hydroxyproline

<400> 7

Gly	Val	Cys	Cys	Gly	Tyr	Lys	Leu	Cys	Cys	His	Xaa	Cys
1				5					10			

<210> 8

<211> 11

<212> PRT

<213> Conus marmoreus

- 5 -

<220>  
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 <222> (10)..(10)  
 <223> Xaa is 4-hydroxyproline

<400> 8

Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
 1 5 10

<210> 9  
 <211> 12  
 <212> PRT  
 <213> Conus marmoreus

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 <222> (11)..(11)  
 <223> Xaa is 4-hydroxyproline

<400> 9

Gly Ile Cys Cys Gly Val Ser Phe Cys Tyr Xaa Cys  
 1 5 10

<210> 10  
 <211> 11  
 <212> PRT  
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<220>  
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 <222> (11)..(11)  
 <223> AMIDATION

<400> 10

Ala Cys Cys Gly Tyr Lys Leu Cys Ser Pro Cys  
 1 5 10

<210> 11  
 <211> 13  
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<220>  
 <223> synthetic

- 6 -

&lt;400&gt; 11

Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys Leu Pro Cys  
1 5 10

&lt;210&gt; 12

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthetic

&lt;400&gt; 12

Ser Val Cys Cys Gly Tyr Lys Leu Cys Phe Pro Cys  
1 5 10

&lt;210&gt; 13

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthetic

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (8)..(8)

&lt;223&gt; Xaa is O-methyl-L-tyrosine

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (13)..(13)

&lt;223&gt; Xaa is 4-hydroxyproline

&lt;400&gt; 13

Tyr Arg Gly Leu Cys Cys Gly Xaa Lys Leu Cys Arg Xaa Cys  
1 5 10

&lt;210&gt; 14

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthetic

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

- 7 -

<222> (4)..(4)  
<223> Xaa is N-norleucine

<220>  
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<222> (8)..(8)  
<223> Xaa is O-methyl-L-tyrosine

<220>  
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<222> (13)..(13)  
<223> Xaa is 4-hydroxyproline

<400> 14

Tyr	Arg	Gly	Xaa	Cys	Cys	Gly	Xaa	Lys	Leu	Cys	Arg	Xaa	Cys
1				5					10				

<210> 15  
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<222> (1)..(1)  
<223> Xaa is L-ornithine

<220>  
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<222> (5)..(5)  
<223> Xaa is L-norleucine

<220>  
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<222> (9)..(9)  
<223> Xaa is O-methyl-L-tyrosine

<220>  
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<222> (14)..(14)  
<223> Xaa is 4-hydroxyproline

<400> 15

Xaa	Tyr	Arg	Gly	Xaa	Cys	Cys	Gly	Xaa	Lys	Leu	Cys	Arg	Xaa	Cys
1				5					10					15

<210> 16  
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<212> PRT

- 8 -

&lt;213&gt; Artificial Sequence

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&lt;223&gt; synthetic

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (8)..(8)

&lt;223&gt; Xaa is O-methyl-L-tyrosine

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (13)..(13)

&lt;223&gt; Xaa is 4-hydroxyproline

&lt;400&gt; 16

Trp	Arg	Gly	Leu	Cys	Cys	Gly	Xaa	Lys	Leu	Cys	His	Xaa	Cys
1				5					10				

&lt;210&gt; 17

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthetic

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(1)

&lt;223&gt; Xaa is L-ornithine

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (4)..(4)

&lt;223&gt; Xaa is L-norleucine

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (8)..(8)

&lt;223&gt; Xaa is O-methyl-L-tyrosine

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (13)..(13)

&lt;223&gt; Xaa is 4-hydroxyproline

&lt;400&gt; 17

Xaa	Arg	Gly	Xaa	Cys	Cys	Gly	Xaa	Lys	Leu	Cys	Arg	Xaa	Cys
1				5					10				



- 9 -

<210> 18  
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<222> (5)..(5)  
<223> Xaa is L-norleucine

<220>  
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<222> (9)..(9)  
<223> Xaa is O-methyl-L-tyrosine

<220>  
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<222> (14)..(14)  
<223> Xaa is 4-hydroxyproline

<400> 18

Lys	Tyr	Arg	Gly	Xaa	Cys	Cys	Gly	Xaa	Lys	Leu	Cys	Arg	Xaa	Cys
1				5				10						15

<210> 19  
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<222> (1)..(1)  
<223> Xaa is L-beta-homolysine

<220>  
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<222> (3)..(3)  
<223> Xaa is L-norleucine

<220>  
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<222> (7)..(7)  
<223> Xaa is O-methyl-L-tyrosine

<220>  
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<222> (9)..(9)

- 10 -

<223> Xaa is L-homoleucine

<220>

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<222> (12)..(12)

<223> Xaa is 4-hydroxyproline

<400> 19

Xaa Gly Xaa Cys Cys Gly Xaa Lys Xaa Cys His Xaa Cys  
1 . 5 10

<210> 20

<211> 14

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<220>

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<222> (8)..(8)

<223> Xaa is O-methyl-L-tyrosine

<220>

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<222> (13)..(13)

<223> Xaa is 4-hydroxyproline

<400> 20

Trp Arg Gly Val Cys Cys Gly Xaa Lys Leu Cys His Xaa Cys  
1 5 10

<210> 21

<211> 14

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<222> (8)..(8)

<223> Xaa is O-methyl-L-tyrosine

<220>

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<222> (13)..(13)

<223> Xaa is 4-hydroxyproline

- 11 -

<400> 21

Trp Lys Gly Val Cys Cys Gly Xaa Lys Leu Cys His Xaa Cys  
1 5 10

<210> 22

<211> 15

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<222> (5)..(5)

<223> Xaa is L-norleucine

<220>

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<222> (9)..(9)

<223> Xaa is O-methyl-L-tyrosine

<220>

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<222> (14)..(14)

<223> Xaa is 4-hydroxyproline

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Phe Arg Tyr Gly Xaa Cys Cys Gly Xaa Lys Leu Cys Arg Xaa Cys  
1 5 10 15

<210> 23

<211> 15

<212> PRT

<213> Artificial Sequence

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<222> (2)..(2)

<223> Xaa is L-ornithine

<220>

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<222> (5)..(5)

<223> Xaa is L-norleucine

<220>

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- 12 -

<222> (9)..(9)  
<223> Xaa is O-methyl-L-tyrosine

<220>  
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<222> (14)..(14)  
<223> Xaa is 4-hydroxyproline

<400> 23

Tyr	Xaa	Arg	Gly	Xaa	Cys	Cys	Gly	Xaa	Lys	Leu	Cys	Arg	Xaa	Cys
1				5					10					15

<210> 24  
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<223> Xaa is D-tryptophan

<220>  
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<222> (8)..(8)  
<223> Xaa is O-methyl-L-tyrosine

<400> 24

Trp	Arg	Gly	Leu	Cys	Cys	Gly	Xaa	Lys	Leu	Cys	Arg	Ala	Cys
1				5					10				

<210> 25  
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<222> (13)..(13)  
<223> Xaa is 4-hydroxyproline

- 13 -

&lt;400&gt; 25

Trp Arg Gly Val Cys Cys Gly Xaa Lys Leu Cys His Xaa Cys  
1 5 10

&lt;210&gt; 26

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthetic

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (13)..(13)

&lt;223&gt; Xaa is 4-hydroxyproline

&lt;400&gt; 26

Trp Arg Gly Leu Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

&lt;210&gt; 27

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthetic

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(1)

&lt;223&gt; Xaa is L-beta-homolysine

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (3)..(3)

&lt;223&gt; Xaa is L-norleucine

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (9)..(9)

&lt;223&gt; Xaa is L-homoleucine

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (12)..(12)

&lt;223&gt; Xaa is 4-hydroxyproline

&lt;400&gt; 27

- 14 -

Xaa Gly Xaa Cys Cys Gly Tyr Lys Xaa Cys His Xaa Cys  
1 5 10

<210> 28  
<211> 15  
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<220>  
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<223> Xaa is L-norleucine

<220>  
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<222> (9)..(9)  
<223> Xaa is O-methyl-L-tyrosine

<220>  
<221> MISC\_FEATURE  
<222> (14)..(14)  
<223> Xaa is 4-hydroxyproline

<400> 28

Tyr Phe Arg Gly Xaa Cys Cys Gly Xaa Lys Leu Cys Arg Xaa Cys  
1 5 10 15

<210> 29  
<211> 14  
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<400> 29

Trp Arg Gly Val Cys Cys Gly Xaa Lys Leu Cys Arg Ala Cys  
1 5 10

<210> 30  
<211> 14

- 15 -

<212> PRT  
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<222> (13)..(13)  
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<400> 30

Trp Arg Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 31  
<211> 13  
<212> PRT  
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<220>  
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<400> 31

Trp Gly Leu Cys Cys Gly Xaa Lys Leu Cys Arg Tyr Cys  
1 5 10

<210> 32  
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<212> PRT  
<213> Artificial Sequence

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<222> (1)..(1)  
<223> Xaa is L-beta-homolysine

<220>  
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<222> (3)..(3)  
<223> Xaa is L-norleucine

- 16 -

<220>  
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<223> Xaa is O-methyl-L-tyrosine

<220>  
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<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 32

Xaa Gly Xaa Cys Cys Gly Xaa Lys Leu Cys His Xaa Cys  
1 5 10

<210> 33  
<211> 14  
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<222> (13)..(13)  
<223> Xaa is 4-hydroxyproline

<400> 33

Trp Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 34  
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<222> (8)..(8)  
<223> Xaa is O-methyl-L-tyrosine

<220>  
<221> MISC\_FEATURE



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<222> (13)..(13)  
<223> Xaa is 4-hydroxyproline

<400> 34

Tyr Arg Gly Leu Cys Cys Gly Xaa Lys Leu Cys Arg Xaa Cys  
1 5 10

<210> 35  
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<222> (7)..(7)  
<223> Xaa is O-methyl-L-tyrosine

<220>  
<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 35

Trp Gly Leu Cys Cys Gly Xaa Lys Leu Cys Arg Xaa Cys  
1 5 10

<210> 36  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
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<222> (8)..(8)  
<223> Xaa is O-methyl-L-tyrosine

<400> 36

Trp Arg Gly Leu Cys Cys Gly Xaa Lys Leu Cys Arg Lys Cys  
1 5 10

<210> 37  
<211> 14  
<212> PRT

- 18 -

&lt;213&gt; Artificial Sequence

&lt;220&gt;

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&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (8)..(8)

&lt;223&gt; Xaa is O-methyl-L-tyrosine

&lt;400&gt; 37

Trp	Arg	Gly	Leu	Cys	Cys	Gly	Xaa	Lys	Leu	Cys	Arg	Ala	Cys
1				5					10				

&lt;210&gt; 38

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthetic

&lt;400&gt; 38

Trp	Arg	Gly	Val	Cys	Cys	Gly	Tyr	Lys	Leu	Cys	Arg	Ala	Cys
1				5					10				

&lt;210&gt; 39

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthetic

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (13)..(13)

&lt;223&gt; Xaa is 4-hydroxyproline

&lt;400&gt; 39

Trp	Asn	Gly	Val	Cys	Cys	Gly	Tyr	Lys	Leu	Cys	Arg	Xaa	Cys
1				5					10				

&lt;210&gt; 40

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

- 19 -

&lt;223&gt; synthetic

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (8)..(8)

&lt;223&gt; Xaa is O-methyl-L-tyrosine

&lt;400&gt; 40

Trp	Arg	Gly	Val	Cys	Cys	Gly	Xaa	Lys	Leu	Cys	His	Ala	Cys
1				5					10				

&lt;210&gt; 41

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthetic

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(1)

&lt;223&gt; Xaa is L-pyroglutamic acid

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (5)..(5)

&lt;223&gt; Xaa is L-norleucine

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (9)..(9)

&lt;223&gt; Xaa is O-methyl-L-tyrosine

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (14)..(14)

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (14)..(14)

&lt;223&gt; Xaa can be any naturally occurring amino acid

&lt;400&gt; 41

Xaa	Tyr	Arg	Gly	Xaa	Cys	Cys	Gly	Xaa	Lys	Leu	Cys	Arg	Xaa	Cys
1				5					10					15

&lt;210&gt; 42

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

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<222> (1)..(1)  
<223> Xaa can be any naturally occurring amino acid

<220>  
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<223> Xaa is L-norleucine

<220>  
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<223> Xaa is O-methyl-L-tyrosine

<220>  
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<223> Xaa can be any naturally occurring amino acid

<220>  
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<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 42

Xaa Gly Xaa Cys Cys Gly Xaa Lys Xaa Cys His Xaa Cys  
1 5 10

<210> 43  
<211> 15  
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<400> 43

Trp Arg Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys Tyr  
1 5 10 15

<210> 44

- 21 -

<211> 14  
<212> PRT  
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<223> Xaa is O-methyl-L-tyrosine

<220>  
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<222> (12)..(12)

<220>  
<221> misc\_feature  
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<400> 44

Trp Gly Leu Cys Cys Gly Xaa Lys Leu Cys Arg Xaa Cys Tyr  
1 5 10

<210> 45  
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<220>  
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<222> (3)..(3)  
<223> Xaa is L-norleucine

<220>  
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<222> (7)..(7)  
<223> Xaa is O-methyl-L-tyrosine

<220>  
<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

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&lt;400&gt; 45

Xaa Gly Xaa Cys Cys Gly Xaa Lys Leu Cys His Xaa Cys  
1 5 10

&lt;210&gt; 46

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthetic

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (8)..(8)

&lt;223&gt; Xaa is O-methyl-L-tyrosine

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (13)..(13)

&lt;223&gt; Xaa is 4-hydroxyproline

&lt;400&gt; 46

Trp Asn Gly Val Cys Cys Gly Xaa Lys Leu Cys His Xaa Cys  
1 5 10

&lt;210&gt; 47

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthetic

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (3)..(3)

&lt;223&gt; Xaa is L-norleucine

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (7)..(7)

&lt;223&gt; Xaa is O-methyl-L-tyrosine

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (9)..(9)

&lt;223&gt; Xaa can be any naturally occurring amino acid

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

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<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 47

Asn Gly Xaa Cys Cys Gly Xaa Lys Xaa Cys His Xaa Cys  
1 5 10

<210> 48  
<211> 13  
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<223> Xaa can be any naturally occurring amino acid

<220>  
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<223> Xaa is 4-hydroxyproline

<400> 48

Xaa Gly Xaa Cys Cys Gly Xaa Lys Xaa Cys His Xaa Cys  
1 5 10

<210> 49  
<211> 13  
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- 24 -

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<223> Xaa is L-beta-homolysine

<220>  
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<223> Xaa can be any naturally occurring amino acid

<220>  
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<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 49

Xaa Gly Val Cys Cys Gly Tyr Lys Xaa Cys His Xaa Cys  
1 5 10

<210> 50  
<211> 14  
<212> PRT  
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<223> Xaa is L-norleucine

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<222> (4)..(4)  
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<400> 50

Tyr Asn Gly Xaa Cys Cys Gly Tyr Lys Leu Cys His Pro Cys  
1 5 10

<210> 51  
<211> 13  
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<220>  
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<222> (1)..(1)  
<223> Xaa is L-ornithine

<220>  
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<222> (7)..(7)  
<223> Xaa is O-methyl-L-tyrosine

<220>  
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<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 51

Xaa Gly Leu Cys Cys Gly Xaa Lys Leu Cys His Xaa Cys  
1 5 10

<210> 52  
<211> 13  
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<220>  
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<400> 52

Xaa Gly Xaa Cys Cys Gly Tyr Lys Xaa Cys His Xaa Cys  
1 5 10

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<210> 53  
<211> 14  
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<400> 53

Trp Asn Gly Val Cys Cys Gly Xaa Lys Leu Cys His Pro Cys  
1 5 10

<210> 54  
<211> 14  
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<400> 54

Trp Arg Gly Val Cys Cys Gly Tyr Lys Leu Cys His Ala Cys  
1 5 10

<210> 55  
<211> 15  
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<220>  
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<222> (9)..(9)  
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<220>  
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<222> (14)..(14)

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&lt;223&gt; Xaa is 4-hydroxyproline

&lt;400&gt; 55

Asp	Tyr	Arg	Gly	Xaa	Cys	Cys	Gly	Xaa	Lys	Leu	Cys	Arg	Xaa	Cys
1				5					10					15

&lt;210&gt; 56

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthetic

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (10)..(10)

&lt;223&gt; Xaa is L-homoleucine

&lt;400&gt; 56

Tyr	Asn	Gly	Val	Cys	Cys	Gly	Tyr	Lys	Xaa	Cys	His	Pro	Cys
1				5					10				

&lt;210&gt; 57

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthetic

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (3)..(3)

&lt;223&gt; Xaa is L-norleucine

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (9)..(9)

&lt;223&gt; Xaa is L-norleucine

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (12)..(12)

&lt;223&gt; Xaa is 4-hydroxyproline

&lt;400&gt; 57

Asn	Gly	Xaa	Cys	Cys	Gly	Tyr	Lys	Xaa	Cys	His	Xaa	Cys
1				5					10			

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<210> 58  
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<220>  
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 <222> (3)..(3)  
 <223> Xaa is L-norleucine

<220>  
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 <222> (12)..(12)  
 <223> Xaa is 4-hydroxyproline

<400> 58

Xaa	Gly	Xaa	Cys	Cys	Gly	Tyr	Lys	Leu	Cys	His	Xaa	Cys
1				5					10			

<210> 59  
 <211> 13  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> synthetic

<400> 59

Asn	Gly	Val	Cys	Cys	Gly	Tyr	Lys	Leu	Cys	Trp	Pro	Cys
1				5					10			

<210> 60  
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<400> 60

Trp	Asn	Gly	Val	Cys	Cys	Gly	Tyr	Lys	Leu	Cys	Arg	Pro	Cys
1					5				10				

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<210> 61  
<211> 13  
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<223> Xaa is L-norleucine

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<222> (7)..(7)  
<223> Xaa is O-methyl-L-tyrosine

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<222> (9)..(9)  
<223> Xaa is L-norleucine

<220>  
<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 61

Asn Gly Xaa Cys Cys Gly Xaa Lys Xaa Cys His Xaa Cys  
1 5 10

<210> 62  
<211> 14  
<212> PRT  
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<400> 62

Tyr Asn Gly Val Cys Cys Gly Xaa Lys Leu Cys Arg Ala Cys  
1 5 10

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<210> 63  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<400> 63

Asn Asp Val Cys Cys Gly Tyr Lys Leu Cys His Pro Cys  
1 5 10

<210> 64  
<211> 14  
<212> PRT  
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<220>  
<223> synthetic

<400> 64

Trp Arg Gly Leu Cys Cys Gly Tyr Lys Leu Cys Arg Gly Cys  
1 5 10

<210> 65  
<211> 14  
<212> PRT  
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<223> Xaa is D-pyroglutamic acid

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<222> (7)..(7)  
<223> Xaa is O-methyl-L-tyrosine

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<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 65

Xaa Gly Leu Cys Cys Gly Xaa Lys Leu Cys Arg Xaa Cys Tyr  
1 5 10

- 31 -

<210> 66  
<211> 13  
<212> PRT  
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<222> (9)..(9)  
<223> Xaa is L-norleucine

<220>  
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<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 66

Xaa Gly Xaa Cys Cys Gly Tyr Lys Xaa Cys His Xaa Cys  
1 5 10

<210> 67  
<211> 14  
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<213> Artificial Sequence

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<222> (13)..(13)  
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<400> 67

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Xaa Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 68  
<211> 14  
<212> PRT  
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<220>  
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<223> Xaa is 4-hydroxyproline

<400> 68

Tyr Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys Arg Xaa Cys  
1 5 10

<210> 69  
<211> 14  
<212> PRT  
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<220>  
<223> synthetic

<400> 69

Trp Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys Arg Ala Cys  
1 5 10

<210> 70  
<211> 15  
<212> PRT  
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<223> Xaa is O-methyl-L-tyrosine

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<222> (9)..(9)  
<223> Xaa is O-methyl-L-tyrosine

<400> 70



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Phe Gly Gly Phe Trp Cys Cys Gly Xaa Lys Leu Cys Arg Ala Cys  
1 5 10 15

<210> 71  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
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<400> 71

Tyr Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys Trp Xaa Cys  
1 5 10

<210> 72  
<211> 14  
<212> PRT  
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<220>  
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<400> 72

Trp Asn Gly Leu Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 73  
<211> 13  
<212> PRT  
<213> Artificial Sequence

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<220>  
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<222> (1)..(1)  
<223> Xaa is L-ornithine

<220>  
<221> MISC\_FEATURE  
<222> (3)..(3)  
<223> Xaa is L-norleucine

<400> 73

Xaa	Gly	Xaa	Cys	Cys	Gly	Tyr	Lys	Leu	Cys	His	Pro	Cys
1			5						10			

<210> 74  
<211> 13  
<212> PRT  
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<222> (3)..(3)  
<223> Xaa is L-norleucine

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<222> (7)..(7)  
<223> Xaa is O-methyl-L-tyrosine

<220>  
<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 74

Asn	Gly	Xaa	Cys	Cys	Gly	Xaa	Lys	Leu	Cys	His	Xaa	Cys
1			5						10			

<210> 75  
<211> 13  
<212> PRT  
<213> Artificial Sequence

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- 35 -

<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa is L-beta-homolysine

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<221> MISC\_FEATURE  
<222> (7)..(7)  
<223> Xaa is O-methyl-L-tyrosine

<400> 75

Xaa	Gly	Val	Cys	Cys	Gly	Xaa	Lys	Leu	Cys	His	Pro	Cys
1				5					10			

<210> 76  
<211> 13  
<212> PRT  
<213> Artificial Sequence

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<222> (1)..(1)  
<223> Xaa is L-beta-homolysine

<220>  
<221> MISC\_FEATURE  
<222> (9)..(9)  
<223> Xaa is L-homoleucine

<400> 76

Xaa	Gly	Val	Cys	Cys	Gly	Tyr	Lys	Xaa	Cys	His	Pro	Cys
1				5					10			

<210> 77  
<211> 13  
<212> PRT  
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<222> (1)..(1)  
<223> Xaa is D-arginine

<220>  
<221> MISC\_FEATURE  
<222> (7)..(7)

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<223> Xaa is O-methyl-L-tyrosine

<220>

<221> MISC\_FEATURE

<222> (12)..(12)

<223> Xaa is 4-hydroxyproline

<400> 77

Xaa Gly Val Cys Cys Gly Xaa Lys Leu Cys His Xaa Cys  
1 5 10

<210> 78

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic

<400> 78

Trp Arg Gly Leu Cys Cys Gly Tyr Lys Leu Cys Arg Ala Cys  
1 5 10

<210> 79

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic

<220>

<221> MISC\_FEATURE

<222> (1)..(1)

<223> Xaa is L-beta-homolysine

<220>

<221> MISC\_FEATURE

<222> (7)..(7)

<223> Xaa is O-methyl-L-tyrosine

<220>

<221> MISC\_FEATURE

<222> (12)..(12)

<223> Xaa is 4-hydroxyproline

<400> 79

Xaa Gly Val Cys Cys Gly Xaa Lys Leu Cys His Xaa Cys  
1 5 10

- 37 -

<210> 80  
<211> 13  
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<220>  
<223> synthetic

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<220>  
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<222> (9)..(9)  
<223> Xaa is L-homoleucine

<220>  
<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 80

Asn Gly Xaa Cys Cys Gly Tyr Lys Xaa Cys His Xaa Cys  
1 5 10

<210> 81  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<400> 81

Tyr Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys Arg Ala Cys  
1 5 10

<210> 82  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<400> 82

Trp Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Pro Cys  
1 5 10

- 38 -

<210> 83  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
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<220>  
<221> MISC\_FEATURE  
<222> (8)..(8)  
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<400> 83

Phe Gly Gly Phe Cys Cys Gly Xaa Lys Leu Cys Arg Ala Cys  
1 5 10

<210> 84  
<211> 14  
<212> PRT  
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<220>  
<223> synthetic

<400> 84

Tyr Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys Arg Pro Cys  
1 5 10

<210> 85  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<400> 85

Trp Lys Asp Leu Cys Cys Gly Tyr Lys Leu Cys His Pro Cys  
1 5 10

<210> 86  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

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<220>  
<221> MISC\_FEATURE  
<222> (8)..(8)  
<223> Xaa is O-methyl-L-tyrosine

<400> 86

Tyr Asn Gly Val Cys Cys Gly Xaa Lys Leu Cys His Pro Cys  
1 5 10

<210> 87  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<220>  
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<222> (1)..(1)  
<223> Xaa is L-beta-homolysine

<220>  
<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 87

Xaa Gly Val Cys Cys Gly Tyr Lys Leu Cys Arg Xaa Cys  
1 5 10

<210> 88  
<211> 14  
<212> PRT  
<213> Artificial Sequence

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<223> synthetic

<220>  
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<222> (13)..(13)  
<223> Xaa is 4-hydroxyproline

<400> 88

Tyr Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

- 40 -

<210> 89  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<400> 89

Tyr Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys Arg Pro Cys  
1 5 10

<210> 90  
<211> 14  
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<213> Artificial Sequence

<220>  
<223> synthetic

<400> 90

Trp Lys Asp Leu Cys Cys Gly Tyr Lys Leu Cys Trp Pro Cys  
1 5 10

<210> 91  
<211> 14  
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<220>  
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<400> 91

Tyr Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys Trp Pro Cys  
1 5 10

<210> 92  
<211> 14  
<212> PRT  
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<220>  
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<400> 92

Trp Lys Asp Val Cys Cys Gly Tyr Lys Leu Cys Trp Pro Cys  
1 5 10

<210> 93



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<211> 13  
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<220>  
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<222> (1)..(1)  
<223> Xaa is L-beta-homolysine

<400> 93

Xaa Gly Val Cys Cys Gly Tyr Lys Leu Cys His Pro Cys  
1 5 10

<210> 94  
<211> 13  
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<220>  
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<222> (8)..(8)  
<223> Xaa is O-methyl-L-tyrosine

<400> 94

Tyr Asn Gly Val Cys Cys Gly Xaa Lys Leu Cys Pro Cys  
1 5 10

<210> 95  
<211> 14  
<212> PRT  
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<222> (2)..(2)  
<223> Xaa is L-beta-homolysine

<220>  
<221> MISC\_FEATURE  
<222> (13)..(13)  
<223> Xaa is 4-hydroxyproline

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&lt;400&gt; 95

Trp Xaa Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

&lt;210&gt; 96

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthetic

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(1)

&lt;223&gt; Xaa is L-beta-homolysine

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (3)..(3)

&lt;223&gt; Xaa is L-norleucine

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (12)..(12)

&lt;223&gt; Xaa is 4-hydroxyproline

&lt;400&gt; 96

Xaa Gly Xaa Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

&lt;210&gt; 97

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthetic

&lt;400&gt; 97

Asn Gly Leu Cys Cys Gly Tyr Lys Leu Cys His Pro Cys  
1 5 10

&lt;210&gt; 98

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

- 43 -

<223> synthetic

<400> 98

Arg Gly Val Cys Cys Gly Tyr Lys Leu Cys His Pro Cys  
1 5 10

<210> 99

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic

<220>

<221> MISC\_FEATURE

<223> Cyclic peptide residue 1 is joined to residue 13

<400> 99

Gly Tyr Lys Leu Gly Cys Cys Gly Tyr Lys Leu Cys Cys  
1 5 10

<210> 100

<211> 16

<212> PRT

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<220>

<221> MISC\_FEATURE

<222> (15)..(15)

<223> Xaa is 4-hydroxyproline

<400> 100

Trp Ala Ala Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10 15

<210> 101

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic

<220>

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<221> MISC\_FEATURE  
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 <223> Xaa is L-beta-homolysine

<220>  
 <221> MISC\_FEATURE  
 <222> (12)..(12)  
 <223> Xaa is 4-hydroxyproline

<400> 101

Xaa Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
 1 5 10

<210> 102  
 <211> 13  
 <212> PRT  
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<220>  
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 <222> (12)..(12)  
 <223> Xaa is L-1,2,3,4-tetrahydroisoquinoline-3-carboxylic acid

<400> 102

Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
 1 5 10

<210> 103  
 <211> 13  
 <212> PRT  
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<220>  
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 <222> (1)..(1)  
 <223> Xaa is D-arginine

<220>  
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 <222> (12)..(12)  
 <223> Xaa is 4-hydroxyproline

<400> 103

Xaa Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys

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1 5 10

<210> 104  
<211> 14  
<212> PRT  
<213> Artificial Sequence

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<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa is O-methyl-L-tyrosine

&lt;400&gt; 104

Xaa Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Pro Cys  
1 5 10

<210> 105  
<211> 17  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

&lt;400&gt; 105

Gly Ile Leu Arg Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Pro  
1 5 10 15

Cys

<210> 106  
<211> 15  
<212> PRT  
<213> Artificial Sequence

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<223> synthetic

<220>  
<221> MISC\_FEATURE  
<222> (14)..(14)  
<223> Xaa is 4-hydroxyproline

&lt;400&gt; 106

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Trp Ala Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10 15

<210> 107  
<211> 13  
<212> PRT  
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<220>  
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<220>  
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<222> (1)..(1)  
<223> Xaa is L-norleucine

<220>  
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<222> (7)..(7)  
<223> Xaa is O-methyl-L-tyrosine

<220>  
<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 107

Xaa Gly Val Cys Cys Gly Xaa Lys Leu Cys His Xaa Cys  
1 5 10

<210> 108  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<220>  
<221> MISC\_FEATURE  
<223> Xaa is L-ornithine

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa is L-ornithine

<400> 108

Xaa Gly Val Cys Cys Gly Tyr Lys Leu Cys His Pro Cys  
1 5 10

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<210> 109  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<220>  
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<222> (1)..(1)  
<223> ACETYLATION

<220>  
<221> misc\_feature  
<222> (2)..(2)  
<223> Xaa can be any naturally occurring amino acid

<220>  
<221> MISC\_FEATURE  
<222> (3)..(3)  
<223> Xaa is L-beta-homolysine

<220>  
<221> misc\_feature  
<222> (13)..(13)  
<223> Xaa can be any naturally occurring amino acid

<220>  
<221> MISC\_FEATURE  
<222> (14)..(14)  
<223> Xaa is 4-hydroxyproline

<400> 109

Trp Xaa Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 110  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<400> 110

Tyr Asn Lys Val Cys Cys Gly Tyr Lys Leu Cys His Pro Cys  
1 5 10

<210> 111  
<211> 13

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<212> PRT  
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<220>  
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 <223> Xaa is L-beta-homolysine

<220>  
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 <222> (12)..(12)  
 <223> Xaa is L-1,2,3,4-tetrahydroisoquinoline-3-carboxylic acid

<400> 111

Xaa	Gly	Val	Cys	Cys	Gly	Tyr	Lys	Leu	Cys	His	Xaa	Cys
1				5					10			

<210> 112  
 <211> 13  
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<220>  
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 <222> (3)..(3)  
 <223> Xaa is L-norleucine

<220>  
 <221> MISC\_FEATURE  
 <222> (12)..(12)  
 <223> Xaa is 4-hydroxyproline

<400> 112

Asn	Gly	Xaa	Cys	Cys	Gly	Tyr	Lys	Leu	Cys	His	Xaa	Cys
1				5					10			

<210> 113  
 <211> 13  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> synthetic



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<220>  
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 <222> (7)..(7)  
 <223> Xaa is O-methyl-L-tyrosine

<400> 113

Asn	Gly	Val	Cys	Cys	Gly	Xaa	Lys	Leu	Cys	His	Pro	Cys
1				5					10			

<210> 114  
 <211> 13  
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 <223> ACETYLATION

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 <222> (1)..(1)  
 <223> Xaa is L-beta-homolysine

<220>  
 <221> MISC\_FEATURE  
 <222> (12)..(12)  
 <223> Xaa is 4-hydroxyproline

<400> 114

Xaa	Gly	Val	Cys	Cys	Gly	Tyr	Lys	Leu	Cys	His	Xaa	Cys
1				5					10			

<210> 115  
 <211> 13  
 <212> PRT  
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<220>  
 <221> MISC\_FEATURE  
 <222> (12)..(12)  
 <223> Xaa is 4-hydroxyproline

<400> 115

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Asn Gly Leu Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 116  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<400> 116

Tyr Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Pro Cys  
1 5 10

<210> 117  
<211> 13  
<212> PRT  
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<220>  
<223> synthetic

<400> 117

Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Lys Cys  
1 5 10

<210> 118  
<211> 14  
<212> PRT  
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<220>  
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<400> 118

Tyr Asn Arg Val Cys Cys Gly Tyr Lys Leu Cys His Pro Cys  
1 5 10

<210> 119  
<211> 13  
<212> PRT  
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<220>  
<221> MISC\_FEATURE

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<222> (1)..(1)  
<223> Xaa is L-norleucine

<220>  
<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 119

Xaa Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 120  
<211> 14  
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<220>  
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<222> (1)..(1)  
<223> Xaa is benzoyl

<400> 120

Xaa Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Pro Cys  
1 5 10

<210> 121  
<211> 13  
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<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa is D-lysine

<220>  
<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 121

Xaa Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

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<210> 122  
 <211> 13  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> synthetic

<400> 122

Asn	Lys	Val	Cys	Cys	Gly	Tyr	Lys	Leu	Cys	His	Pro	Cys
1				5					10			

<210> 123  
 <211> 13  
 <212> PRT  
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<220>  
 <223> synthetic

<220>  
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 <222> (7)..(7)  
 <223> Xaa is O-methyl-L-tyrosine

<220>  
 <221> MISC\_FEATURE  
 <222> (12)..(12)  
 <223> Xaa is 4-hydroxyproline

<400> 123

Asn	Gly	Val	Cys	Cys	Gly	Xaa	Lys	Leu	Cys	His	Xaa	Cys
1				5					10			

<210> 124  
 <211> 13  
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<220>  
 <221> misc\_feature  
 <222> (12)..(12)  
 <223> Xaa can be any naturally occurring amino acid

<400> 124

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Asn Ala Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 125  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<400> 125

Asn Gly Ile Cys Cys Gly Tyr Lys Leu Cys His Pro Cys  
1 5 10

<210> 126  
<211> 13  
<212> PRT  
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<222> (9)..(9)  
<223> Xaa is L-norleucine

<220>  
<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 126

Asn Gly Val Cys Cys Gly Tyr Lys Xaa Cys His Xaa Cys  
1 5 10

<210> 127  
<211> 13  
<212> PRT  
<213> Artificial Sequence

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<223> synthetic

<220>  
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<222> (1)..(1)  
<223> Xaa is L-Lysine (dimethyl)

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<220>  
<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline)

<400> 127

Xaa Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 128  
<211> 13  
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<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa is D-asparagine

<220>  
<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 128

Xaa Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 129  
<211> 13  
<212> PRT  
<213> Artificial Sequence

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<223> synthetic

<220>  
<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> Xaa is L-Pipecolic acid (homo proline)

<400> 129

Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 130

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<211> 13  
 <212> PRT  
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<220>  
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 <222> (12)..(12)  
 <223> Xaa is 4-hydroxyproline

<400> 130

Ala Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
 1 5 10

<210> 131  
 <211> 14  
 <212> PRT  
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 <222> (1)..(1)  
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<400> 131

Xaa Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Pro Cys  
 1 5 10

<210> 132  
 <211> 14  
 <212> PRT  
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 <223> synthetic

<220>  
 <221> misc\_feature  
 <222> (3)..(3)  
 <223> Xaa can be any naturally occurring amino acid

<400> 132

Tyr Asn Xaa Val Cys Cys Gly Tyr Lys Leu Cys His Pro Cys  
 1 5 10

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<210> 133  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
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<220>  
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<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 133

Phe Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 134  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<220>  
<221> MISC\_FEATURE  
<222> (11)..(11)  
<223> Xaa is N-Naphthylalanine

<400> 134

Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys Xaa Pro Cys  
1 5 10

<210> 135  
<211> 13  
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<220>  
<223> synthetic

<220>  
<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 135



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Thr Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
 1 5 10

<210> 136  
 <211> 13  
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<220>  
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 <222> (1)..(1)  
 <223> Xaa is 2-aminobenzoyl (anthraniloyl)

<220>  
 <221> MISC\_FEATURE  
 <222> (12)..(12)  
 <223> Xaa is 4-hydroxyproline

<400> 136

Xaa Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
 1 5 10

<210> 137  
 <211> 13  
 <212> PRT  
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<220>  
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<220>  
 <221> MISC\_FEATURE  
 <222> (1)..(1)  
 <223> Xaa is naphthyl

<400> 137

Xaa Gly Val Cys Cys Gly Tyr Lys Leu Cys His Pro Cys  
 1 5 10

<210> 138  
 <211> 13  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> synthetic

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<400> 138

Asn Gly Thr Cys Cys Gly Tyr Lys Leu Cys His Pro Cys  
1 5 10

<210> 139

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic

<220>

<221> MISC\_FEATURE

<222> (1)..(1)

<223> Xaa is L-Citrulline

<220>

<221> MISC\_FEATURE

<222> (12)..(12)

<223> Xaa is 4-hydroxyproline

<400> 139

Xaa Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 140

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic

<220>

<221> MISC\_FEATURE

<222> (1)..(1)

<223> Xaa is L-pyroglutamic acid

<220>

<221> MISC\_FEATURE

<222> (8)..(8)

<220>

<221> misc\_feature

<222> (8)..(8)

<223> Xaa can be any naturally occurring amino acid

<220>

<221> MISC\_FEATURE

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<222> (13)..(13)

<223> Xaa is 4-hydroxyproline

<400> 140

Xaa Asn Gly Val Cys Cys Gly Xaa Lys Leu Cys His Xaa Cys  
1 5 10

<210> 141

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic

<220>

<221> MISC\_FEATURE

<222> (12)..(12)

<223> Xaa is O-methyl-L-tyrosine

<400> 141

Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 142

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic

<220>

<221> MISC\_FEATURE

<222> (1)..(1)

<223> Xaa is L-pyroglutamic acid

<220>

<221> MISC\_FEATURE

<222> (12)..(12)

<223> Xaa is 4-hydroxyproline

<400> 142

Xaa Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 143

<211> 13

<212> PRT

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<213> Artificial Sequence

<220>

<223> synthetic

<220>

<221> MOD\_RES

<222> (1)..(1)

<223> ACETYLATION

<220>

<221> MISC\_FEATURE

<222> (12)..(12)

<223> Xaa is 4-hydroxyproline

<400> 143

Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 144

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic

<220>

<221> MISC\_FEATURE

<222> (1)..(1)

<223> Xaa is D-pyroglutamic acid

<220>

<221> MISC\_FEATURE

<222> (12)..(12)

<223> Xaa is 4-hydroxyproline

<400> 144

Xaa Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 145

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic

<400> 145

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Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Ala Cys  
1 5 10

<210> 146  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<400> 146

Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Pro Cys  
1 5 10

<210> 147  
<211> 13  
<212> PRT  
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<220>  
<223> synthetic

<220>  
<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 147

Asp Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 148  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<400> 148

Val Cys Cys Gly Tyr Lys Leu Cys Cys  
1 5

<210> 149  
<211> 13  
<212> PRT  
<213> Artificial Sequence

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<220>  
<223> synthetic

<220>  
<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> Xaa is L-dimethyldopa or L-dimethoxyphenylalanine

<400> 149

Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 150  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<220>  
<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 150

Asn Gly Ala Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 151  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<400> 151

Asp Gly Val Cys Cys Gly Tyr Lys Leu Cys His Pro Cys  
1 5 10

<210> 152  
<211> 13  
<212> PRT  
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<220>  
<223> synthetic

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<220>  
<221> MOD\_RES  
<222> (1)..(1)  
<223> ACETYLATION

<400> 152

Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Pro Cys  
1 5 10

<210> 153  
<211> 13  
<212> PRT  
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<220>  
<223> synthetic

<220>  
<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 153

Asn Gly Ala Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 154  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<220>  
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<222> (1)..(1)  
<223> Xaa is L-pyroglutamic acid

<220>  
<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 154

Xaa Asp Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

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<210> 155  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<400> 155

Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Phe Cys  
1 5 10

<210> 156  
<211> 13  
<212> PRT  
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<220>  
<223> synthetic

<400> 156

Asn Ser Val Cys Cys Gly Tyr Lys Leu Cys His Pro Cys  
1 5 10

<210> 157  
<211> 14  
<212> PRT  
<213> Artificial Sequence

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<223> synthetic

<220>  
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<222> (1)..(1)  
<223> Xaa is L-pyroglutamic acid

<220>  
<221> MISC\_FEATURE  
<222> (13)..(13)  
<223> Xaa is 4-hydroxyproline

<400> 157

Xaa Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 158  
<211> 13  
<212> PRT  
<213> Artificial Sequence



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<220>  
 <223> synthetic

<220>  
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 <222> (12)..(12)  
 <223> Xaa is L-thiazolidine-4-carboxylic acid  
 <400> 158

Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
 1 5 10

<210> 159  
 <211> 13  
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Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Glu Cys  
 1 5 10

<210> 160  
 <211> 13  
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<220>  
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<220>  
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 <222> (3)..(3)  
 <223> Xaa can be any naturally occurring amino acid

<220>  
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 <222> (12)..(12)  
 <223> Xaa is 4-hydroxyproline

<400> 160

Asn Gly Xaa Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
 1 5 10

<210> 161  
 <211> 14

- 66 -

<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<220>  
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<222> (1)..(1)  
<223> ACETYLTATION

<400> 161

Tyr Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Pro Cys  
1 5 10

<210> 162  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<220>  
<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> Xaa is L-norleucine

<400> 162

Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 163  
<211> 14  
<212> PRT  
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<220>  
<223> synthetic

<400> 163

Tyr Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys Gln Pro Cys  
1 5 10

<210> 164  
<211> 13  
<212> PRT  
<213> Artificial Sequence

- 67 -

<220>  
 <223> synthetic

<220>  
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 <222> (1)..(1)  
 <223> Xaa is D-pyroglutamic acid

<220>  
 <221> MISC\_FEATURE  
 <222> (12)..(12)  
 <223> Xaa is 4-hydroxyproline

<400> 164

Xaa Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
 1 5 10

<210> 165  
 <211> 13  
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 <223> synthetic

<400> 165

Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Tyr Cys  
 1 5 10

<210> 166  
 <211> 13  
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<220>  
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 <222> (6)..(6)  
 <223> Xaa is D-lysine

<400> 166

Asn Gly Val Cys Cys Xaa Tyr Lys Leu Cys His Pro Cys  
 1 5 10

<210> 167  
 <211> 13  
 <212> PRT

- 68 -

<213> Artificial Sequence

<220>

<223> synthetic

<220>

<221> MISC\_FEATURE

<222> (8)..(8)

<223> Xaa is L-Lysine (dimethyl)

<220>

<221> MISC\_FEATURE

<222> (12)..(12)

<223> Xaa is 4-hydroxyproline

<400> 167

Asn Gly Val Cys Cys Gly Tyr Xaa Leu Cys His Xaa Cys  
1 5 10

<210> 168

<211> 13

<212> PRT

<213> Artificial Sequence

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<222> (7)..(7)

<223> Xaa is L-homotyrosine

<220>

<221> MISC\_FEATURE

<222> (12)..(12)

<223> Xaa is 4-hydroxyproline

<400> 168

Asn Gly Val Cys Cys Gly Xaa Lys Leu Cys His Xaa Cys  
1 5 10

<210> 169

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic

<220>

- 69 -

<221> MISC\_FEATURE  
<222> (11)..(11)  
<223> Xaa is L-3-pyridylalanine

<400> 169

Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys Xaa Pro Cys  
1 5 10

<210> 170  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<400> 170

Tyr Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys Lys Pro Cys  
1 5 10

<210> 171  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<400> 171

Tyr Asn Gly Val Cys Cys Gly Leu Lys Leu Cys His Pro Cys  
1 5 10

<210> 172  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<400> 172

Asn Gly Val Cys Cys Gly Tyr Ala Leu Cys His Pro Cys  
1 5 10

<210> 173  
<211> 10  
<212> PRT  
<213> Artificial Sequence

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<220>  
<223> synthetic

<220>  
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<222> (9)..(9)  
<223> Xaa is 4-hydroxyproline

<400> 173

Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys  
1 5 10

<210> 174  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<400> 174

Tyr Asn Gly Val Cys Cys Gly Tyr Leu Leu Cys His Pro Cys  
1 5 10

<210> 175  
<211> 14  
<212> PRT  
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<223> synthetic

<400> 175

Tyr Asn Gly Val Cys Cys Gly Tyr Lys Asn Cys His Pro Cys  
1 5 10

<210> 176  
<211> 13  
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<222> (7)..(7)  
<223> Xaa is L-2-furylalanine

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<400> 176

Asn Gly Val Cys Cys Gly Xaa Lys Leu Cys His Pro Cys  
1 5 10

<210> 177

<211> 13

<212> PRT

<213> Artificial Sequence

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<223> synthetic

<220>

<221> MISC\_FEATURE

<222> (12)..(12)

<223> Xaa is 4-hydroxyproline

<400> 177

Asn Gly Val Cys Cys Gly Tyr Arg Leu Cys His Xaa Cys  
1 5 10

<210> 178

<211> 13

<212> PRT

<213> Artificial Sequence

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<223> synthetic

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<221> MISC\_FEATURE

<222> (11)..(11)

<223> L-histidine(benzyloxymethyl)

<400> 178

Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys Xaa Pro Cys  
1 5 10

<210> 179

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic

<400> 179

Tyr Asn Gly Val Cys Cys Gly Tyr Phe Leu Cys His Pro Cys

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1

5

10

<210> 180  
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<222> (11)..(11)  
<223> Xaa is L-histidine(3-methyl)

&lt;400&gt; 180

Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys Xaa Pro Cys  
1 5 10

<210> 181  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

&lt;400&gt; 181

Asn Gly Val Cys Cys Gly Tyr His Leu Cys His Pro Cys  
1 5 10

<210> 182  
<211> 13  
<212> PRT  
<213> Artificial Sequence

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<223> synthetic

<220>  
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<222> (1)..(1)  
<223> Xaa is L-pyroglutamic acid

<220>  
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<222> (8)..(8)  
<223> Xaa is L-norleucine

&lt;220&gt;



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<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 182

Xaa Gly Val Cys Cys Gly Tyr Xaa Leu Cys His Xaa Cys  
1 5 10

<210> 183  
<211> 13  
<212> PRT  
<213> Artificial Sequence

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<223> synthetic

<220>  
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<222> (6)..(6)  
<223> Xaa is D-glutamic acid

<400> 183

Asn Gly Val Cys Cys Glu Tyr Lys Leu Cys His Pro Cys  
1 5 10

<210> 184  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<400> 184

Tyr Asn Gly Val Cys Cys Gly Asn Lys Leu Cys His Pro Cys  
1 5 10

<210> 185  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<220>  
<221> MISC\_FEATURE  
<222> (8)..(8)  
<223> Xaa is L-norleucine

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&lt;400&gt; 185

Asn Gly Val Cys Cys Gly Tyr Xaa Leu Cys His Pro Cys  
1 5 10

&lt;210&gt; 186

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthetic

&lt;400&gt; 186

Asn Gly Val Cys Cys Ser Tyr Lys Leu Cys His Pro Cys  
1 5 10

&lt;210&gt; 187

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthetic

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(1)

&lt;223&gt; Xaa is L-pyroglutamic acid

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (12)..(12)

&lt;223&gt; Xaa is 4-hydroxyproline

&lt;400&gt; 187

Xaa Gly Val Cys Cys Gly Trp Lys Leu Cys His Xaa Cys  
1 5 10

&lt;210&gt; 188

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthetic

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

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&lt;222&gt; (6)..(6)

&lt;223&gt; Xaa is D-serine

&lt;400&gt; 188

Asn	Gly	Val	Cys	Cys	Xaa	Tyr	Lys	Leu	Cys	His	Pro	Cys
1				5					10			

&lt;210&gt; 189

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthetic

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(1)

&lt;223&gt; Xaa is L-pyroglutamic acid

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (8)..(8)

&lt;223&gt; Xaa is L-Citrulline

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (12)..(12)

&lt;223&gt; Xaa is 4-hydroxyproline

&lt;400&gt; 189

Xaa	Gly	Val	Cys	Cys	Gly	Tyr	Xaa	Leu	Cys	His	Xaa	Cys
1				5					10			

&lt;210&gt; 190

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthetic

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (12)..(12)

&lt;223&gt; Xaa is 4-hydroxyproline

&lt;400&gt; 190

Asn	Gly	Val	Cys	Cys	Gly	Tyr	Lys	Leu	Cys	Ala	Xaa	Cys
1				5					10			

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<210> 191  
 <211> 13  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> synthetic

<220>  
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 <222> (7)..(7)  
 <223> Xaa is L-1,2,3,4-tetrahydroisoquinoline-3-carboxylic acid

<400> 191

Asn	Gly	Val	Cys	Cys	Gly	Xaa	Lys	Leu	Cys	His	Pro	Cys
1				5					10			

<210> 192  
 <211> 13  
 <212> PRT  
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 <223> synthetic

<220>  
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 <222> (6)..(6)  
 <223> Xaa is D-phenylalanine

<400> 192

Asn	Gly	Val	Cys	Cys	Xaa	Tyr	Lys	Leu	Cys	His	Pro	Cys
1				5					10			

<210> 193  
 <211> 12  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> synthetic

<220>  
 <221> misc\_feature  
 <222> (11)..(11)  
 <223> Xaa can be any naturally occurring amino acid

<400> 193

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Gly Ile Cys Cys Gly Val Ser Phe Cys Tyr Xaa Cys  
1 5 10

<210>	194
<211>	13
<212>	PRT
<213>	Artificial Sequence

<220>  
·<223> synthetic

<400> 194

Asn Gly Val Cys Cys Gly Tyr Gln Leu Cys His Pro Cys  
1 5 10

<210>	195
<211>	14
<212>	PRT
<213>	Artificial Sequence

<220>  
<223> synthetic

<400> 195

Tyr Asn Gly Val Cys Cys Gly Glu Lys Leu Cys His Pro Cys  
1 5 10

<210>	196
<211>	13
<212>	PRT
<213>	Artificial Sequence

<220>  
<223> synthetic

<400> 196

Asn Gly Val Cys Cys Gly Tyr Lys Lys Cys His Pro Cys  
1 5 10

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<210> 197
<211> 13
<212> PRT
<213> Artificial Sequence
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<220>  
<223> synthetic

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<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa is L-pyroglutamic acid

<220>  
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<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 197

Xaa Gly Val Cys Cys Gly Glu Lys Leu Cys His Xaa Cys  
1 5 10

<210> 198  
<211> 13  
<212> PRT  
<213> Artificial Sequence

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<223> Xaa is L-pyroglutamic acid

<220>  
<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 198

Xaa Gly Val Cys Cys Gly Ile Lys Leu Cys His Xaa Cys  
1 5 10

<210> 199  
<211> 11  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<400> 199

Arg Asn Cys Cys Arg Leu Gln Val Cys Cys Gly  
1 5 10

<210> 200  
<211> 13  
<212> PRT

- 79 -

<213> Artificial Sequence

<220>

<223> synthetic

<220>

<221> MISC\_FEATURE

<222> (12)..(12)

<223> Xaa is 4-hydroxyproline

<400> 200

Val	Gly	Val	Asp	Asp	Gly	Tyr	Lys	Leu	Cys	His	Xaa	Cys
1				5					10			

<210> 201

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic

<400> 201

Tyr	Asn	Gly	Val	Cys	Cys	Gly	Lys	Lys	Leu	Cys	His	Pro	Cys
1				5					10				

<210> 202

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic

<220>

<221> MISC\_FEATURE

<222> (12)..(12)

<223> Xaa is 4-hydroxyproline

<400> 202

Asn	Gly	Val	Cys	Cys	Gly	Tyr	Lys	Ala	Cys	His	Xaa	Cys
1				5					10			

<210> 203

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

- 80 -

<223> synthetic

<220>

<221> MISC\_FEATURE

<222> (12)..(12)

<223> Xaa is 4-hydroxyproline

<400> 203

Asn Gly Val Cys Cys Gly Tyr Ala Leu Cys His Xaa Cys  
 1 5 10

<210> 204

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic

<220>

<221> MISC\_FEATURE

<222> (12)..(12)

<223> Xaa is 4-hydroxyproline

<400> 204

Asn Gly Val Cys Cys Gly Ala Lys Leu Cys His Xaa Cys  
 1 5 10

<210> 205

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic

<220>

<221> MISC\_FEATURE

<222> (12)..(12)

<223> Xaa is 4-hydroxyproline

<400> 205

Asn Gly Val Cys Cys Ala Tyr Lys Leu Cys His Xaa Cys  
 1 5 10

<210> 206

<211> 13

<212> PRT



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&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthetic

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (7)..(7)

&lt;223&gt; Xaa is L-dimethyldopa or L-dimethoxyphenylalanine

&lt;400&gt; 206

Asn	Gly	Val	Cys	Cys	Gly	Xaa	Lys	Leu	Cys	His	Pro	Cys
1				5					10			

&lt;210&gt; 207

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthetic

&lt;400&gt; 207

Tyr	Asn	Gly	Val	Cys	Cys	Gly	Tyr	Lys	Leu	Cys	Arg	Pro	Cys
1				5					10				

&lt;210&gt; 208

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthetic

&lt;400&gt; 208

Tyr	Asn	Gly	Val	Cys	Cys	Gly	Tyr	Ile	Leu	Cys	His	Pro	Cys
1				5					10				

&lt;210&gt; 209

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; synthetic

&lt;400&gt; 209

Tyr	Asn	Gly	Val	Cys	Cys	Gly	Tyr	Lys	Asp	Cys	His	Pro	Cys
1				5					10				

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<210> 210  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<400> 210

Tyr Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys Glu Pro Cys  
1 5 10

<210> 211  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<400> 211

Tyr Asn Gly Val Cys Cys Gly Tyr Trp Leu Cys His Pro Cys  
1 5 10

<210> 212  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<400> 212

Tyr Asn Gly Val Cys Cys Gly Tyr Tyr Leu Cys His Pro Cys  
1 5 10

<210> 213  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<220>  
<221> MISC\_FEATURE  
<222> (7)..(7)  
<223> Xaa is L-dimethyldopa or L-dimethoxyphenylalanine

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<220>  
<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 213

Asn Gly Val Cys Cys Gly Xaa Lys Leu Cys His Xaa Cys  
1 5 10

<210> 214  
<211> 13  
<212> PRT  
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<220>  
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<222> (7)..(7)  
<223> Xaa is L-Diphenylalanine

<220>  
<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 214

Asn Gly Val Cys Cys Gly Xaa Lys Leu Cys His Xaa Cys  
1 5 10

<210> 215  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> synthetic

<220>  
<221> MISC\_FEATURE  
<222> (7)..(7)  
<223> Xaa is L-Lysine (dimethyl)

<220>  
<221> MISC\_FEATURE  
<222> (12)..(12)  
<223> Xaa is 4-hydroxyproline

<400> 215

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Asn	Gly	Val	Cys	Cys	Gly	Xaa	Lys	Leu	Cys	His	Xaa	Cys
1				5					10			